GSA No. 0240-EPA-OT

Please refer to the instructions for Filling Notification before completing this form. The information requested here to



Notification of Regulated Waste Activity

Date Received (For Official Use Only)

required by law (Section 3010 of the Resource Conservation and Recovery Act). United States Environmental Protection Agency 1. Installation's EPA ID Number (Mark 'X' In the appropriate box) C. Installation's EPA ID Number-** B. Subsequent Notification : A. First Notification 4 6 5 3 PADO 8 2 1 1 1 (complete item C) II. Name of installation (include company and specific site name) COMPANY RED cl o CHI E M I CAL III. Location of Installation (Physical address not P.O. Box or Route Number) Street CHI P KE 3 8 0 1 T EST WE S E R Street (continued) State ZIP Code City or Town 4000 9 NEW TOWN SO PA 1 U County Code: County Name - \mathbf{L} A W Е AR E IV: Installation Malling Address (See Instructions) Street or P.O. Box SAME City or Town State** ZIP Code : V. Installation Contact (Person to be contacted regarding waste activities at alte): 1 300 经海绵 100,24 Name (isst) (first) M.O N ďТ Α AM S R a mga sag Job Title Phone Number (area code and number) *** - 3 | 5 | 9 | יתו בו ביוו 6 1 0 NIN VI. Installation Contact Address (See instructions) A. Contact Address | B. Street or P.O. Box No to accurate a library con-Location Malling . $\mathbf{x} | \mathbf{x} | \mathbf{x}$ 1979-368 (1871) 1886-368 ZIP Code ... City or Town State : YII. Ownership (See instructions) A. Name of Installation's Lagai Owner R 0 Q_r, Q Street, P.O. Box, or Route Number S 0 5 5 F \mathbf{L} O W E T E T R \mathbf{E} City or Town State ZIP Code 1 N ES 9 0 0 0 S E Α (Dete Chi D. Change of Owner B. Land Type C. Owner Type Day Year Phone Number (area code and number) indicator -

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II. Type of Regulated Waste Activity (Mark 'X'	In the appropriate baxes. Refer to it	
A. Hazardous Waste Ad	ctivity	B. Used Oil Fuel Activities
1 Generator (See Instructions) a. Greater than 1000kg/mo (2.200 lbs.) b. 100 to 1000 kg/mo (220 - 2.200 lbs.) c. Less than 100 kg/mo (220 lbs.) 2 Transporter (Indicate Mode in boxes 1-5 below) a. For own waste only b. For commercial purposes Licole of Transportation 1. Air 2. Rail 3. Highway 4. Water 5 Other - specify	3. Treater Storer, Disposer let installation) Note: A permit le required for this activity; see instructions. 4. Hazardous Waste Fuel a. Generator Marketing to Sumer b. Other Marketing to Sumer c. Botter and/or industrial Furnace 1. Smelter Deferrat 2. Small Guantity Exemption Indicate Type of Combustion Device(s) 1. Utility Boller: 2. Industrial Soller: 3. Industrial Furnace 4. Hazardous Waste Soller: 3. Industrial Furnace	1. Off-Specification Used Oil Fuel a. Generator Marketing to Surner b. Other Marketing to Surner c. Burner - indicate device(s) Type of Combustion Device: 1. Utility Boller: 2. Industrial Boller: 3. Industrial Furnece: 2. Specification Used Oil Fuel Market (or On-site Surner) Who First: Claims the Oil Means the Specification.
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ACKNOWLEDGEMENT OF NOTIFICATION OF REGULATED WASTE ACTIVITY (VERIFICATION)

This is to acknowledge that you have filed a Notification of Regulated Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

PAD046538211

01/17/97

ARCO CHEMICAL CO RED: 3801 WEST CHESTER PIKE NEWTOWN SQUARE, PA 190732387 RITA SAMBONS ENVISUPT

INSTALLATION ADDRESS

3801 WEST: CHESTER PIKE NEWTOWN SQUARE PA: 190732387

EPA Form 8700-12A (6-90)

ARCO Chemical Company

3801 West Chester Pike Newtown Square, Pennsylvania 19073-3280 Telephone 610 359 2000

Safety, Health, Environmental & Security

January 9, 1997

U.S. EPA Region III RCRA Programs Branch Pennsylvania Section (3HW51) 841 Chestnut Building Philadelphia, PA 19107 PECENO ON III

Re:

Modification of Notification of Regulated Waste Activity

ARCO Chemical Company 3801 West Chester Pike Newtown Square, PA 19073 EPA ID No. PAD046538211

To whom it may concern:

Attached is an updated Notification of Regulated Waste Activity (EPA 8700-12) for the hazardous waste activities at the Newtown Square facility of ARCO Chemical Company (ACC). The waste codes typically generated by the facility are listed.

ACC is a Research & Development facility and no commercial manufacturing operations are located at this site. Pilot plants and research laboratory operations are the source of the chemical wastes.

Should you have any questions about the information submitted in this report, please contact me at (610) 359-4604.

Sincerely,

Rita M. Sammons

Environmental Superintendent

Enclosure

Pennsylvania Department of Environmental Protection Bureau of Land Recycling and Waste Management Waste Management Program 16th Floor, Rachel Carson State Office Building cc:

PO Box 2063

Harrisburg, PA 17105-2063

Name of Installation (include company and specific site name)

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ARCO Chemical Company

3801 West Chester Pike Newtown Square, Pennsylvania 19073-3280 Telephone 610 359 2000

Safety, Health, Environmental & Security January 22, 1996

U.S. EPA Region III RCRA Programs Branch Pennsylvania Section (3 HW51) 841 Chestnut Building Philadelphia, PA 19107





Re: Modification of Notification of Regulated Waste Activity

ARCO Chemical Company 3801 West Chester Pike Newtown Square, PA 19073 EPA ID No. PAD 046538211

To whom it may concern:

Attached is an updated Notification of Regulated Waste Activity (EPA 8700-12) for the hazardous waste activities at the Newtown Square facility of ARCO Chemical Company (ACC). The waste codes typically generated by the facility are listed.

ACC is a Research & Development facility and no commercial manufacturing operations are located at this site. Pilot plants and research laboratory operations are the source of the chemical wastes.

Should you have any questions about the information submitted in this report, please contact me at (610) 359-4604.

Sincerely,

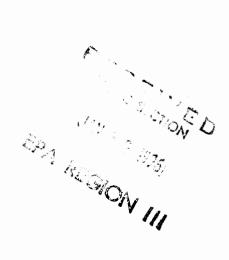
Rita M. Sammons

Environmental Superintendent

Enclosures

bc: T.A. Bailey/B2 M.G. Griffith/EOB T.J. Senn/D1

C.W. Ruoff/D1



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ACKNOWLEDGEMENT OF NOTIFICATION OF REGULATED WASTE ACTIVITY

(VERIFICATION)

This is to acknowledge that you have filed a Notification of Regulated Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

PAD068730225

ARCO CHEMICAL CO BEAVER VALLEY PLT 400 FRANKFORT RD MGNACA - PA :15061 JANE KELLEY ENV SUPT

INSTALLATION ADDRESS

400 FRANKFORT RD MONACA PA 15061

EPA Form 8700-12A (6-90)



ACKNOWLEDGEMENT OF NOTIFICATION OF REGULATED WASTE ACTIVITY

(VERIFICATION)

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EPA I.D. NUMBER .

PAD046538211

01/24/00

LYONDELL CHEM CO 3801 W CHESTER PIKE NEWTOWN SQUARE, PA 190732387 TOM BAKER ENV SUPT

INSTALLATION ADDRESS

3801 W CHESTER PIKE NEWTOWN SQUARE , PA 190732387

EPA Form 8700-12A (1/98)

Please refer to Section V. Line-by-Line Instructions for Completing EPA Form 8700-12 before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and

Notification of Regulated Waste Activity

Date Received (For Official Use Only)

United States Environmental Protection Agency

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XI. Comments												
This subsequent notif	ication reflects the	c instal	lation name	change fr	om I	yonde	ll Che	mical	World	lwide	Inc.	to
Lyondell Chemical C	ompany effective	12/31/	/1999, and n	ew waste	code	s since	9/7/19	99 (see "*").		
Note: Mail completed for											,	,
OFN: LYONDE		brlan	VIDE INC					<u>k</u>	oah/	JC	1/14/	00
EPA Form 8700-12 (Rev. 1)	0/03/30}		- 2 01	4 .								



3801 West Chaster Pike Newtown Square, Pennsylvania 19073-2387 Telephone: 610.359.2000

January 13, 2000

CERTIFIED MAIL

U.S. Environmental Protection Agency Region III RCRA Programs Branch (3WC22) 1650 Arch St Philadelphia, PA 19103-2029

Re: Subsequent Notification of Regulated Waste Activity
Lyondell Chemical Company
EPA ID No. PAD046538211

To Whom It May Concern.

In accordance with 40 CFR 262.12 and 25 Pa. Code 262a.12(b)(3), attached is a subsequent Notification of Regulated Waste Activity (EPA 8700-12) Form and Pennsylvania's Supplement to EPA Form 8700-12 for the hazardous waste activities at Lyondell Chemical Company's Newtown Square facility.

This subsequent notification updates waste codes typically generated by the facility (see "*") since our last subsequent notification on September 7, 1999. Also, we are changing the installation name from Lyondell Chemical Worldwide, Inc. to Lyondell Chemical Company, effective December 31, 1999. In July 1998, ARCO Chemical Company (Tax ID No. 51-0104393) was acquired by Lyondell Chemical Company, with ARCO Chemical Company becoming a whollyowned subsidiary of Lyondell Chemical Company. As a result of this acquisition and effective January 1, 1999, the name of ARCO Chemical Company was changed to Lyondell Chemical Worldwide, Inc. (same Tax ID No. 51-0104393). Effective December 31, 1999, Lyondell Chemical Worldwide, Inc. (the former ARCO Chemical Company) was merged into Lyondell Chemical Company (Tax ID No. 95-4160558), with Lyondell Chemical Company being the surviving entity. As a result of the merger, all of the obligations and liabilities of Lyondell Chemical Worldwide, Inc., by operation of law, became direct obligations and liabilities of Lyondell Chemical Company. Because Lyondell Chemical Company leases the facility from Atlantic Richfield Company (ARCO), the legal owner should remain as ARCO.

The Newtown Square facility is a Research & Development (R&D) facility and no commercial manufacturing operations are located at this site. Pilot plants and research laboratory operations are the primary source of the chemical wastes.

If you have any questions, please call me at (610) 359-4849.



Subsequent Notification of Regulated Waste Activity PAD046538211 January 13, 2000 Page 2

Sincerely,

Thomas P. Baker

Environmental Superintendent

Attachments

CC:

Pennsylvania Department of Environmental Protection

Southeast Region

Waste Management Program

Lee Park, Suite 6010

555 North Lane

Conshohocken, PA 19428-2233

HS&E Central File

Please refer to Section V. Line-by-Line Instructions for Completing EPA Form 8700-12 before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

Notification of Regulated Waste Activity

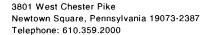
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United States Environmental Protection Agency

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		ID - For Official Use Only
·VIII. Type of Regulated Waste Activity (Ma	rk 'X' in the appropriate boxes. Refer to Instr	ructions)
A. Hazardous W	aste Activity	B. Used Oil Recycling Activities
1. Generator (See Instructions) a. Greater than 1000kg/mo (2,200 lbs.) b. 100 to 1000 kg/mo (220-2,200 lbs.) c. Less than 100 kg/mo (220 lbs) 7. Transporter (Indicate Mode in boxes 1-5 below) a. For own waste only b. For commercial purposes Mode of Transportation 7. Air 7. Rail 8. Highway 9. Water 9. 5. Other - specify	 □ 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity, see instructions. 4. Hazardous Waste Fuel □ a. Generator Marketing to Burner □ b. Other Marketers □ c. Boiler and/or Industrial Furnace □ 1. Smelter Deferral □ 2. Small Quantity Exemption Indicate Type of Combustion Device(s) □ 1. Utility Boiler □ 2. Industrial Boiler □ 3. Industrial Furnace □ 5. Underground injection Control 	1. Used Oil Recycling Marketer a. Marketer Directs Shipment of Used Oil to Off-Specification Burner b. Marketer Who First Claims the Used Oil Meets the Specifications 2. Used Oil Burner - Indicate Type(s) of Combustion Device a. Utility Boiler b. Industrial Boiler c. Industrial Furnace 3. Used Oil Transporter - Indicate Type(s) of Combustion Device(s) a. Transporter b. Transfer Facility 4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies) a. Process b. Re-refine
IX. Description of Regulated Wastes (Use	additional sheets if necessary)	
	us Wastes. (Mark 'X' in the boxes correspo tion handles; See 40 CFR Parts 261.20 - 261.	
(D001) (D002) (D003) CI	haracteristic contaminant(s)) D 0 0 4 D 0	te number(s) for the Toxicity characteristic
B. Listed Hazardous Wastes. (See 40 CFR	261.31 - 33; See instructions if you need to its	
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C. Other Wastes. (State or other wastes req	uiring a handler to have an I.D. number; See	instructions.)
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X. Certification		
I certify under penalty of law that this documer a system designed to assure that qualified per person or persons who manage the system, or is, to the best of my knowledge and belief, true information, including the possibility of fine a	sonnel properly gather and evaluate the inform those persons directly responsible for gatherin , accurate, and complete. I am aware that there	nation submitted. Based on my inquiry of the ng the information, the information submitted
Signature	Name and Official Title (Type or print	Date Signed
Janly Consort	Paul J. Consorte, Facility Manager	1/14/00
VI Commands		
XI. Comments		
This subsequent notification reflects th	e installation name change from Ly	ondell Chemical Worldwide Inc. to
Lyondell Chemical Company effective		
Note: Mail completed form to the appropriate I	EPA Hegional or State Office. (See Section III	of the booklet for addresses.)
		DAN NO 1/26/00

* New Codes



LA MANAGER NO

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January 13, 2000

CERTIFIED MAIL

U.S. Environmental Protection Agency Region III RCRA Programs Branch (3WC22) 1650 Arch St. Philadelphia, PA 19103-2029

Re: Subsequent Notification of Regulated Waste Activity
Lyondell Chemical Company

EPA ID No. PAD046538211

To Whom It May Concern:

In accordance with 40 CFR 262.12 and 25 Pa. Code 262a.12(b)(3), attached is a subsequent Notification of Regulated Waste Activity (EPA 8700-12) Form and Pennsylvania's Supplement to EPA Form 8700-12 for the hazardous waste activities at Lyondell Chemical Company's Newtown Square facility.

This subsequent notification updates waste codes typically generated by the facility (see "*") since our last subsequent notification on September 7, 1999. Also, we are changing the installation name from Lyondell Chemical Worldwide, Inc. to Lyondell Chemical Company, effective December 31, 1999. In July 1998, ARCO Chemical Company (Tax ID No. 51-0104393) was acquired by Lyondell Chemical Company, with ARCO Chemical Company becoming a whollyowned subsidiary of Lyondell Chemical Company. As a result of this acquisition and effective January 1, 1999, the name of ARCO Chemical Company was changed to Lyondell Chemical Worldwide, Inc. (same Tax ID No. 51-0104393). Effective December 31, 1999, Lyondell Chemical Worldwide, Inc. (the former ARCO Chemical Company) was merged into Lyondell Chemical Company (Tax ID No. 95-4160558), with Lyondell Chemical Company being the surviving entity. As a result of the merger, all of the obligations and liabilities of Lyondell Chemical Worldwide, Inc., by operation of law, became direct obligations and liabilities of Lyondell Chemical Company. Because Lyondell Chemical Company leases the facility from Atlantic Richfield Company (ARCO), the legal owner should remain as ARCO.

The Newtown Square facility is a Research & Development (R&D) facility and no commercial manufacturing operations are located at this site. Pilot plants and research laboratory operations are the primary source of the chemical wastes.

If you have any questions, please call me at (610) 359-4849.



Subsequent Notification of Regulated Waste Activity PAD046538211 January 13, 2000 Page 2

Sincerely,

Thomas P. Baker

Environmental Superintendent

Attachments

cc: Pennsylvania Department of Environmental Protection

Southeast Region

Waste Management Program

Lee Park, Suite 6010

lionas Plaker

555 North Lane

Conshohocken, PA 19428-2233

HS&E Central File



ACKNOWLEDGEMENT OF NOTIFICATION OF REGULATED WASTE ACTIVITY (VERIFICATION)

This is to acknowledge that you have filed a Notification of Regulated Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Biennial Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

PAD046538211

10/22/99

LYONDELL CHEM WORLDWIDE INC 3801 W CHESTER PIKE NEWTOWN SQUARE , PA 190732387 TOM BAKER ENV SUPT

INSTALLATION ADDRESS

3801 W CHESTER PIKE NEWTOWN SQUARE , PA 190732387

EPA Form 8700-12A (1/98)

3412

Please refer to Section V. Line-by-Line instructions for Completing LyPA Form 8700-12 before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

Notification of Regulated Waste Activity

Date Received (For Official Use Only)

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	ID - For Official Use Only
VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to Insti	ructions)
A. Hazardous Waste Activity	B. Used Oil Recycling Activities
1. Generator (See Instructions)	1. Used Oil Recycling Marketer a. Marketer Directs Shipment of Used Oil to Off-Specification Burner b. Marketer Who First Claims the Used Oil Meets the Specifications 2. Used Oil Burner - Indicate Type(s) of Combustion Device a. Utility Boiler b. Industrial Boiler c. Industrial Furnace 3. Used Oil Transporter - Indicate Type(s) of Combustion Device(s) a. Transporter b. Transfer Facility 4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies) a. Process b. Re-refine
IX. Description of Regulated Wastes (Use additional sheets if necessary)	
A. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' In the boxes correspondent in the North Parts 261.20 - 261.	
1. Ignitable (D001) 2. Corrosive (D002) 3. Reactive (D003) Characteristic (List specific EPA hazardous was contaminant(s)) D 0 0 4 D 0	te number(s) for the Toxicity characteristic
B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See instructions if you need to li	st more than 12 waste codes.)
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C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number; See	instructions.)
1 2 3 4 N 8 9 9 I D 7 2 X 8 5 0 X 9 0 0	5 6 X 9 0 5 X 9 1 0
X. Certification	
I certify under penalty of law that this document and all attachments were prepared under my a system designed to assure that qualified personnel properly gather and evaluate the inform person or persons who manage the system, or those persons directly responsible for gathericis, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there information, including the possibility of fine and imprisonment for knowing violations.	nation submitted. Based on my inquiry of the ng the information, the information submitted
Signature Name and Official Title (Type or print) Charles W. Ruoff, Facility Manage	0/-/
00	
XI. Comments	
Removed U198 (not an EPA waste code). Changed owner back to Atlanti	c Richfield Company ("ARCO")
since Lyondell leases property from ARCO. Full installation name is "Lyo	ondell Chemical Worldwide, Inc."
Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III OFN: Lyandel/ Chem () BAH/cm9/14/99	
C11. 27. 67. 67. 67. 67. 67. 67. 67. 67. 67. 6	r 10

ID - For Official Use Only

IX. Description of Regulated Wastes (Continued; (Additional Sheet)

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; Use this page only if you need to list more than 12 waste codes.)

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P 0 7 7	P 0 7 8	P 0 8 7	P 0 9 8	P 1 0 4	P 1 0 5
37	38	39	40	41	42 🕇
P 1 0 6	P 1 0 8	P 1 1 3	P 1 1 9	P 1 2 0	P 1 2 1
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61	62	63	64	65	66
U 1 0 2	U 1 0 3	U 1 0 5	U 1 0 6	U 1 0 7	U 1 0 8
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3801 West Chester Pike Newtown Square, Pennsylvania 19073-2387 Telephone 610.359.2000

SEP 10 10%
EPA REGION III

September 7, 1999

U.S. Environmental Protection Agency Region III RCRA Programs Branch (3WC22) 1650 Arch St. Philadelphia, PA 19103-2029

Re:

Subsequent Notification of Regulated Waste Activity

Lyondell Chemical Worldwide, Inc. EPA ID No. PAD046538211

To Whom It May Concern:

Attached is a subsequent Notification of Regulated Waste Activity (EPA 8700-12) Form and Pennsylvania's Supplement to EPA Form 8700-12 for the hazardous waste activities at Lyondell Chemical Worldwide, Inc.'s Newtown Square facility. Waste codes typically generated by the facility have been updated, as well as the facility's contact person and legal owner. Please note that the subsequent notification we submitted in August 1998 mistakenly changed the site's legal owner from ARCO to Lyondell Chemical. Because Lyondell Chemical leases the facility from ARCO, the legal owner should be changed back to ARCO effective 7/31/98.

The Newtown Square facility is a Research & Development (R&D) facility and no commercial manufacturing operations are located at this site. Pilot plants and research laboratory operations are the primary source of the chemical wastes.

Should you have any questions about the information submitted in this report, please contact me at (610) 359-4849.

Sincerely,

Thomas P. Baker

Environmental Superintendent

Enclosures

cc:

Pennsylvania Department of Environmental Protection

Southeast Region

Waste Management Program

Lee Park, Suite 6010

ymas Baker

555 North Lane

Conshohocken, PA 19428-2233

File



\$EPA

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ACKNOWLEDGEMENT OF NOTIFICATION OF REGULATED WASTE ACTIVITY

(VERIFICATION)

This is to acknowledge that you have filed a Notification of Regulated Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Biennial Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

PAD046538211

08/27/98

LYONDELL CHEM CO 3801 W CHESTER PIKE NEWTOWN SQUARE, PA 190732387 RITA SAMMONS ENV SUPT

INSTALLATION ADDRESS

3801 W CHESTER PIKE NEWTOWN SQUARE PA 190732387

EPA Form 8700-12A (1/98)

ARCO Chemical Company

3801 West Chester Pike

Newtown Square, Pennsylvania 19073-2387

Telephone 215 359 2000

Safety, Health & Environmental



July 31, 1998

U.S. EPA Region III RCRA Programs Branch Pennsylvania Section (3HW51) 841 Chestnut Building Philadelphia, PA 19107



Re: Modification of Notification of Regulated Waste Activity

Lyondell Chemical Company 3801 West Chester Pike Newtown Square, PA 19073 EPA ID No. PAD046538211

To whom it may concern:

Attached is an updated Notification of Regulated Waste Activity (EPA 8700-12) for the hazardous waste activities at the Newtown Square facility of Lyondell Chemical Company. The waste codes typically generated by the facility are listed.

The facility was previously owned and operated by ARCO Chemical Company, which has recently merged with Lyondell Chemical Company. Lyondell is a Research & Development facility and no commercial manufacturing operations are located at this site. Pilot plants and research laboratory operations are the source of the chemical wastes.

Should you have any questions about the information submitted in this report, please contact me at (610) 359-4604.

Sincerely,

Rita M. Sammons

Environmental Superintendent

cc: PA DEP

Please refer to the Instructions for Filling Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

Date Received
(For Official Use Only)

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VIII. Type of Regulated Waste Activity (Mark		
A: Hazardous Was	te Activity	B. Used Oil Recycling Activities
	3. Treater, Storer, Disposer (at	1. Used Oil Fuel Marketer a. Marketer Directs Shipment of Used
a. Greater than 1000kg/mo (2,200 lbs.) b. 100 to 1000 kg/mo (200-2,200 lbs.)	Installation) Note: A permit is required for this activity; see	Oil to Off-Specification Burner b. Marketer Who First Claims the Used
c. Less than 100 kg/mo (220 lbs) 2. Transporter (Indicate Mode in boxes 1-5	Instructions. 4. Hazardous Waste Fuel	Oil Meets the Specifications 2. Used Oil Burner - indicate Type(s) of
below) a. For own waste only	a. Generator Marketing to Burner b. Other Marketers	Combustion Device (*)
b. For commercial purposes	c. Bollerand/orindustrial Furnace	b. Industrial Boiler c. Industrial Furnace
Mode of Transportation	2. Small Quantity Exemption Indicate Type of Combustion	3. Used Oil Transporter - Indicate Type(s)
1. Air 2. Rail	Device(s)	of Activity(ies)
3. Highway 4. Water	1. Utility Boller 2. Industrial Boller	D. Transfer Facility Used Oil Processor/Re-refiner - indicate Transfer Activity(les)
5. Other - specify	3. Industrial Furnace 5. Underground injection Control	Type(s) of Activity(les)
IX. Description of Hazardous Wastes (Use ac	delite and about Management	□ b. Re-refine
A. Characteristics of Nonlisted Hazardous		nding to the characteristics of
noniisted hazardous wastes your installation i		
	ractoristic (List specific EPA hazardous waste nu	
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B. Listed Hazardous Wastes. (See 40 CFR 26	1.31 - 33; See instructions if you need to ils	it more than 12 waste codes.)
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7 8 8	9 10	11 12 12
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C. Other Wastes. (State or other wastes require	ing a handler to have an I.D. number; See i	nstructions.)
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X. Certification	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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or persons who manage the system, or those persons to those persons to fine the persons of the system of the securate, and including the possibility of fine and imprisonment	id complete. I am aware that there are signific	formation, the information submitted is, to the cant penalties for submitting false information,
Signature O	Name and Official Title (Type or prin	int) Date Signed
Charle W. (levoll	Charles W. Ruoff, Facility	Manager 8/3/98
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XI. Comments		
DFN: Arco Chem (ORAD	
BAH/MS 8./21	198	•
Note: Mail completed form to the appropriate EP/	A Regional or State Office. (See Section III	of the booklet for addresses.)

Form Approved, OMB No. 2050-0028 Expines 9-20-65, GSA No. 0245-58A-OT.

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IX. Description of Regulated Wastes (Additional Sheet)

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Please refer to the Instructions for Filling Notification before completing this form. The Information requested here is required by law (Section 3010 of the Resource Conservation and Secures Act)



Notification of Regulated Waste Activity

Date Received (For Official Use Only)

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VIII. Type of Regulated Waste Activity (Mark 'X' In the appropriate boxes; Refer to Instructions)			
A. Hazardous We	ste Activity	B. Used Oil Recycling Activitie	8
1. Generator (See Instructions) a. Greater than 1000kg/mc (2,200 lbs.) b. 100 to 1000 kg/mc (200-2,200 lbs.) c. Less than 100 kg/mc (220 lbs) 2. Transporter (Indicate Mode in boxes 1-5 below) a. For own waste only b. For commercial purposes Mode of Transportation 1. Air 2. Rail 3. Highway 4. Water 5. Other - specify	3. Treater, Storer, Disposer (at Installation) Note: A permit is required for this activity; see instructions. 4. Hazardous Waste Fuel a. Generator Marketing to Burner b. Other Marketers c. Boiler and/or industrial Furnace 1. Smelter Deferral 2. Small Quantity Exemption Indicate. Type of Combustion Device(s) 1. Utility Boiler 2. Industrial Boiler 3. Industrial Furnace	1. Used Oil Fuel Marketer a. Marketer Directs Shipment of Use Oil to Off-Specification Burner b. Marketer Who First Claims the Used Oil Burner - Indicate Type(secondustrial Burner - Indicate Type(secondustrial Buller) b. Industrial Buller c. Industrial Furnace 3. Used Oil Transporter - Indicate Type of Activity(les) a. Transporter b. Transfer Facility 4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(les) a. Process	sed Jsed a) of pe(s)
	5. Underground Injection Control	b. Re-refine	.
IX. Description of Hazardous Wastes (Use	additional sheets if necessary)		ilia ing
A. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' In the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24)			
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	E Talali Malal	e le la la b la la b	النا
B. Listed Hazardous Wastes. (See 40 CFR 2	261.31 - 33; See Instructions If you need to its	t more than 12 waste codes.)	
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C. Other Wastes. (State or other wastes requ	iring a handler to have an LD. number; See i	nstructions.)	t x ··
1 2 1 1 X 8 5 0 X 9 0 0 X. Certification	x 9 1 b x 9 4 0	x 9 1 8 6 6 6 6	0
I certify under penalty of law that this document system designed to assure that qualified persons or persons who manage the system, or those per best of my knowledge and belief, true, accurate, a including the possibility of fine and imprisonm	el properly gather and evaluate the information rsons directly responsible for gathering the in and complete. I am aware that there are signific	n submitted. Based on my inquiry of the per formation, the information submitted is, to	rson : the :
Signature	Name and Official Title (Type or pri	nt) Date Signed	
Charles W. Revol	Charles W. Ruoff	1/20/98	
XI. Comments			
Codes with + next to them codes with ++ next to them	were already entered in the	Comments section.	
į į	were added to the waste	code section.	
BAH/MS 2/6/98		12.0 April 19.0 April	
Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)			

ID - For Official Use Only

ARCO Chemical Company 3801 West Chester Pike Newtown Square, Pennsylvania 19073-2387 Telephone 215 359 2000



Safety, Health & Environmental

January 19, 1998

U.S. EPA Region III RCRA Programs Branch Pennsylvania Section (3HW51) 841 Chestnut Building Philadelphia, PA 19107

Re: Modification of Notification of Regulated Waste Activity

ARCO Chemical Company 3801 West Chester Pike Newtown Square, PA 19073 EPA ID No. PAD046538211

To whom it may concern:

Attached is an updated Notification of Regulated Waste Activity (EPA 8700-12) for the hazardous waste activities at the Newtown Square facility of ARCO Chemical Company (ACC). The waste codes typically generated by the facility are listed.

ACC is a Research & Development facility and no commercial manufacturing operations are located at this site. Pilot plants and research laboratory operations are the source of the chemical wastes.

Should you have any questions about the information submitted in this report, please contact me at (610) 359-4604.

Sincerely,

Rita M. Sammons

Environmental Superintendent

RMS/cvw Encl. cc: Pennsylvania Department of Environmental Protection Bureau of Land Recycling and Waste Management Waste Management Program 16th Floor, Rachel Carson State Office Building PO Box 2063 Harrisburg, PA 17105-2063



ACKNOWLEDGEMENT OF NOTIFICATION OF REGULATED WASTE ACTIVITY (VERIFICATION)

This is to acknowledge that you have filed a Notification of Regulated Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

200046539211

10/02/96

ARCO CHEMICAL CO RED
3801 BEST CHESIER PIKE.
NEHTOWN SOUNCE, PA. 190732387

RITA SAMMONS ENV SUPT

INSTALLATION ADDRESS

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EPA Form 8700-12A (6-90)

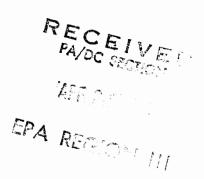
ARCO Chemical Company

3801 West Chester Pike Newtown Square, Pennsylvania 19073-3280 Telephone 610 359 2000



Safety, Health, Environmental & Security April 24, 1996

U.S. EPA Region III RCRA Programs Branch Pennsylvania Section (3 HW51) 841 Chestnut Building Philadelphia, PA 19107



Re: Modification of Notification of Regulated Waste Activity

ARCO Chemical Company 3801 West Chester Pike Newtown Square, PA 19073 EPA ID No. PAD 046538211

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Should you have any questions about the information submitted in this report, please contact me at (610) 359-4604.

Sincerely,

Rita M. Sammons

Environmental Superintendent

Enclosures

Please relations instructions for Filling Motification before ampliciting this form. The information requested here is required by law (Section 2010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

Date Received (For Official Use Only)

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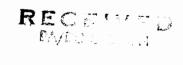
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ARCO Chemical Company

3801 West Chester Pike Newtown Square, Pennsylvania 19073-3280 Telephone 610 359 2000

Safety, Health, Environmental & Security July 1, 1996

U.S. EPA Region III RCRA Programs Branch Pennsylvania Section (3 HW51) 841 Chestnut Building Philadelphia, PA 19107 *****



EPA REGION III

Re:

Modification of Notification of Regulated Waste Activity ARCO Chemical Company

3801 West Chester Pike Newtown Square, PA 19073 EPA ID No. PAD 046538211

To whom it may concern:

Attached is an updated Notification of Regulated Waste Activity (EPA 8700-12) for the hazardous waste activities at the Newtown Square facility of ARCO Chemical Company (ACC). The waste codes typically generated by the facility are listed.

ACC is a Research & Development facility and no commercial manufacturing operations are located at this site. Pilot plants and research laboratory operations are the source of the chemical wastes.

Should you have any questions about the information submitted in this report, please contact me at (610) 359-4604.

Sincerely,

Rita M. Sammons

Environmental Superintendent

Enclosures

Place rule to the Arenoclassics Filling Notification before completing this form. The information requested here is governed by the (Section 2010 of the Resource Conservation and Resource, Act 1988)



Notification of Regulated Waste Activity

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(Fox Official/Use Only)

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OF REGULATED WASTE ACTIVITY

(VERIFICATION)

This is to acknowledge that you have filed a Notification of Regulated Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

PAD046538211

09/24/95

ARCO CHESICAL CO RSD 3801 MEST CHESIER PIKE NEWTOWN SQUARE, PA 190732387 RITA SAMMONS ENV SUPT

INSTALLATION ADDRESS

3801 MEST CHESTER PIXE REMTSEN SOUARS PA 190732387

EPA Form 8700-12A (6-90)

ARCO Chemical Company

3801 West Chester Pike Newtown Square, Pennsylvania 19073-3280 Telephone 610 359 2000



September 9, 1996

U.S. EPA Region III RCRA Programs Branch Pennsylvania Section (3HW51) 841 Chestnut Building Philadelphia, PA 19107





Re:

Modification of Notification of Regulated Waste Activity

ARCO Chemical Company 3801 West Chester Pike Newtown Square, PA 19073 EPA ID No. PAD 046538211

To whom it may concern:

Attached is an updated Notification of Regulated Waste Activity (EPA 8700-12) for the hazardous waste activities at the Newtown Square facility of ARCO Chemical Company (ACC). The waste codes typically generated by the facility are listed.

ACC is a Research & Development facility and no commercial manufacturing operations are located at this site. Pilot plants and research laboratory operations are the source of the chemical wastes.

Should you have any questions about the information submitted in this report, please contact me at (610) 359-4604.

Sincerely,

Rita M. Sammons

Environmental Superintendent

Enclosures

Date Received

Notification of Regulated (For Official Use Only) rishle formulatine The by law (Section 2010) STEEPA Waste Activity United States Environmental Protection Agency : ed Recovery Act) Einstellation's EPA ID Number (Mark: X. in the appropriate box): CEIrat Notification X Complete form C 0 6 | 5 Company of the second EName of Installation (include company and specific alia name) INIY AIRE OH FA 10 CH \mathbb{E} MI A L C 1-1 ocation of installation (Physical address not P.C. Bococ (fours Number) Street (Continued) ::: City on Town IWIT NE O W UAR M W. Installation Mailing Address (See Instructions) Street or P.O. Box S A ME Zocoo City or Town: me (Lest) Phone Number (Area Code and Number) Job Title D Visinstalistion Contact Address (See Instructions) B Street or P.O. Box X X City of Town west like States Zip Code VIL Ownership (See Instructions) A Heme of Installation's Legal Owne RC Street: P.O. Box, of Route Number 0 15 RE EIT 0 S IT City or Town State --- Zip Code :ols NGE C 9 10 Α L EIS lΑ THE WALL e of CVIII DOG LANGE C Owner Type B. Land Type: Phone Number (Area Code X

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Signature Signature Name and Official Title (Charles W. Ruof Facility Manages	f, dialo
XI. Comments	8
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ARCO Chemical Company 3801 West Chester Pike Newtown Square, Pennsylvania 19073-2387 Telephone (610) 359 2000

July 12, 1995

U.S. EPA Region III RCRA Programs Branch Pennsylvania Section (3 HW51) 841 Chestnut Building Philadelphia, PA 19107

re: Modification of Notification of Regulated Waste Activity

ARCO Chemical Company 3801 West Chester Pike Newtown Square, PA 19073 EPA ID No. PAD 046538211



Dear Sirs:

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Sincerely,

James G. Victor

Manager, Materials Management

JGV

Enclosures

copy: T.A. Bailey/NSC

A.H. Goldsmith/D2 M.G. Griffith/EOB T.J. Senn/D1

C.W. Ruoff/D1

Please refer to the instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of this Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

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EPA Form 8700-12 (Rev. 11-30-83) Provious edition is obscious

ARCO Chemical Company 3801 West Chester Pike Newtown Square, Pennsylvania 19073-2387 Telephone (610) 359 2000



July 12, 1995

Pennsylvania Department of Environmental Resources Bureau of Solid Waste Management Division of Hazardous Waste Harrisburg, PA 17120

re:

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ARCO Chemical Company 3801 West Chester Pike Newtown Square, PA 19073 EPA ID No. PAD 046538211 JUL 17 1995

EPA REGION III

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Manager, Materials Management

JGV Enclosures

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Notification of PA Regulated Waste Activity United States Environmental Protection Agency

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JUL 17 1995

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II. Type of Regulated Waste Activity	(Mark 'X' in the appropriate boxes.	Refer to instru	ctions.)	
A. Hazardous	Waste Activity	g eg s B. L	Jsed Oll Fuel	Activities
a. Generator (See Instructions) a. Greater than 1000kg/mo (2,200 lbs b. 100 to 1000 kg/mo (220 - 2,200 lbs c. Less than 100 kg/mo (220 lbs.) 2. Transporter (Indicate Mode in boxes 1 a. For own wasts only b. For commercial purposes Mode of Transportation 1. Air 2. Rait 3. Highway 4. Water 5. Other specify	3. Treater, Storer, Disposer installation) Note: A perm for this activity; see instru. 4. Hazardous Waste Fuel a. Generator Marketing to b. Other Marketing to be below to the (et it is required intons. [1. Off-Specific a. Generate b. Offrer Mi c. Surmer- Type of f 1. U 2. Ir 3. Ir 2. Specificatio (or Ori-site Claims the Specificatio	cation Used Oil Fuel or Marketing to Sumer arketer - Indicate device(s) - Combustion Device Utility Boller Industrial Boller Industrial Furnace On Used Oil Fuel Markete Burner) Who First Oil Meets the	
ignitable -2. Corrostve - 3. Reactive (CFR Parts 261.20 - 261.24) Toxicity Chericoteristic (D000) (List specific SPA historicus with X D004 D	0 0 5	D 0 0 6	6 D 0 0
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Other Wastes. (State or other wastes rec	guiring a handler to have an I.D. number 3 4 X 9 1 0 X 9	See instructions.)	5 6 6 6	8.* 7 7 7 7
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